



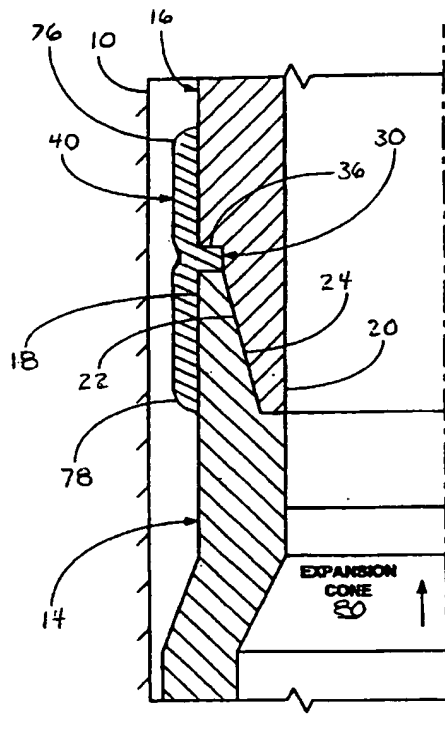
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- Declaration under Rule 4.17:**  
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— of inventorship (Rule 4.17(iv)) for US only

*[Continued on next page]*

- (54) Title: MAGNETIC IMPULSE APPLIED SLEEVE METHOD OF FORMING A WELLBORE CASING**



**(57) Abstract:** A method of forming a wellbore casing within a borehole (10) that traverses a subterranean formation includes the steps of assembling a tubular liner by coupling a threaded portion (24) of a first tubular member (16) to a threaded portion (22) of a second tubular member (14) and coupling a tubular sleeve (40) to the threaded portions (22,24) of the first (16) and second (14) tubular members. The method further includes positioning the wellbore casing within the borehole (10). The step of coupling the tubular sleeve (40) through the threaded portions (22,24) of the first (16) and second (14) tubular members includes applying impulsive magnetic energy to the tubular sleeve (40).



**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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# INTERNATIONAL SEARCH REPORT

International application No.

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<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(7) : E21B 23/00; F16L 25/00 US CL : 166/207,380; 285/333 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. : 166/207,380,206,313,381,242.6; 285/333,53; 403/179,273 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A, P	US 2003/0067166 A1 (SIVLEY, IV) 10 April 2003 (10.04.2003), whole document.	1-4
A	US 5,314,014 A (TUCKER) 24 May 1994 (24.05.1994), whole document.	1-4
A	US 4,614,233 A (MENARD) 30 September 1986 (30.09.1986), whole document.	1-4
A	US 3,520,049 A (LYSENKO et al) 14 July 1970 (14.07.1970), whole document.	1-4
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 12 December 2003 (12.12.2003)		Date of mailing of the international search report <b>21 MAY 2004</b>
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer David J. Baggett Telephone No. (703) 308-1113

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**Continuation of B. FIELDS SEARCHED Item 3:**  
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Terms: sleeve, tubular, expansion/expand, magnetic, impulse/impulsive